

[illegible]

5 Dense Wavelength Division Multiplexer (DWDM) systems. The system employs a
dense array of high yield fixtures and an ion assisted movable dual electron beam
evaporation system. The fixture array increases acceptable yields of narrow band pass
filters to 25-75% compared to less than 5% in conventional coating systems used for
DWDM. The movable e-beam system allows critical symmetry to be maintained while
10 eliminating significant delays resulting from deposition of two materials from a single
electron gun. The vacuum deposition system will enable production of more than 15,000
50 – 200 GHZ filters which meet specifications for DWDM demultiplexers every 48
hours.